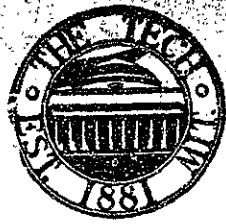


The Tech



OFFICIAL NEWSPAPER OF THE UNDERGRADUATES OF MASSACHUSETTS INSTITUTE OF TECHNOLOGY

VOL. LXXIV. NO. 20

CAMBRIDGE, MASSACHUSETTS, TUESDAY, MAY 4, 1954

5 CENTS

T.V. Moves In, To Star Institute In Science Film

CBS-TV crews have been on campus this week where they have visited such engineering and research developments as the Automatic Milling Machine, and the Whirlwind Computer, and photographed the fabulous electronic "bug" of Professor Norbert Wiener, who is an expert in the field of electronic communication, Cybernetics. They are gathering material for a half-hour show on research at the Institute.

One of Series

This program will be one of a series of 26 half-hour programs on research at American colleges to be presented this fall by CBS. The program will precede the present Omnibus show and will be called "The Search." Technical advisor to the program is Professor D. P. Campbell of the Electrical Engineering Department.

Richards Medal Is Awarded To George Scatchard

Dr. George Scatchard, professor of Physical Chemistry, has been awarded the Theodore Richards Medal of the American Chemical Society. The Richards Medal, one of the highest honors



Dr. George Scatchard

in American chemistry, will be presented to Professor Scatchard at a dinner at Harvard on May 15.

Professor Scatchard joined the M.I.T. faculty in 1923 and since then has done notable research in the physical chemistry of solutions, for which he is being awarded the Richards Medal.

Thirty Executives Chosen To Receive Sloan Fellowships

Thirty young executives, chosen from a wide range of industrial concerns, have been awarded Sloan Fellowships for participation in the Executive Program at the Institute.

The successful candidates are chosen early in their industrial careers when they have a long future service to industry ahead. The fact that the Sloan fellows carry on their work at a center of technological development provides a special opportunity for them to view the long-range development of business in the perspective of technological advancement, as well as within the economic and human framework of management problems.

Chosen from the United States, Canada, Mexico, and Puerto Rico this year, the Sloan fellows will begin their work here on June 19 under the leadership of Professor Gerald B. Tallman, Director of the Program.

FASSETT ON WMIT

Associate Dean of Students Frederick G. Fassett, Jr., will be guest on "This Happened Today" over WMIT tonight at 7:45 p.m.

Institute Novices At Dartmouth Debating Meet

Four members of the Institute's Debating Team will participate in the Dartmouth Novice Tournament this weekend in Hanover, New Hampshire. This invitational tournament will have a number of northeastern colleges represented, and as the name implies, will have as contestants only students who are debating for their first year in college.

Edward B. Roberts '57 and DeWayne C. Ganow '57 will take the affirmative and Vernon S. C. Porter '57 and James M. Chorak '57 the negative side of the topic "Resolved: That the United States should adopt a policy of free trade." Accompanying the students will be David Hardy, instructor of speech at the Institute.

As a part of the M.I.T. Open House this Saturday, a debate will be held in Room 4-370 at 4:00 p.m. between teams from Harvard and the Institute. The subject of this debate, which is open to the public, will be: "Should emphasis on Modern Education be on the Sciences or Humanities," and the Institute will be represented by James S. Hyde '54 and Oliver H. Johns '56.



Varsity two-milers cross finish line together for first place photo finish.

Tech Halts Tufts Skein At 16; Morefield Cops Four Firsts

by Benson Chertok '57

The Engineer track team rebounded from a poor showing at the Harvard Relays last week to trounce Tufts 81-54. Tufts was previously unbeaten in sixteen straight dual meets and were last year's New England Collegiate track champions.

John Morefield '56 led the Hedlunds-men to victory with four firsts as he swept the weight events. However, the victory was marred by an injury to ace sprinter Syd Klein '54 who pulled up with an injured muscle in his left leg after placing second in the 100 yard dash. Klein may be out of action for two weeks and this could weaken the team considerably.

Honorary Society Initiates Students From Course XVI

Sigma Gamma Tau, national honorary aeronautical engineering fraternity, held its spring initiation last Thursday evening in the Blue Room of Walker Memorial. Following the initiatory ceremony for the twenty new members, Dr. H. Guyford Stever, of the Department of Aeronautical Engineering, spoke on the present and future frontiers of aviation.

Undergraduate students initiated were: James M. Brayshaw '55, Frank J. Davenport '55, David L. Reed '55, and John Zvara '54. Graduate students initiated were: Edmund J. Boyle, Louis A. S. Bradley, Charles E. Brooks, John F. Christie, Allen G. Ford, Sidney I. Gravit, Robin Hansen, Alan H. Lee, Ralph C. Raabe, Knowlton P. Rice, Bisuddhi Riddagni, Sheldon N. Salzman, Edward O. Skidmore, James T. Van Meter, John F. Wester and Charles A. Wurster.

Faculty To Supply Second Resident On East Campus

Another Faculty Residence is being opened on East Campus in the Fall. Mr. and Mrs. Holt C. Ashley will continue to live in Munroe as residents for the Hayden-Bemis units, while another member of the faculty, whose name is not yet known, will occupy Crafts 203 as resident for the Senior House. The installation is part of a residential plan that the Institute has been developing for three years.

InsComm To Get Reports On Meals & Student Union

Among the new business which will be brought up at the Inscomm meeting tomorrow at 5:00 p.m. will be a proposal that Field Day football be discontinued and another sport be substituted in its place. This is recommended on the grounds that the approximately \$2300 yearly which is spent for this is much more than it should be. The topic was discussed at some length at the recent Leadership Conference, and further discussion at this meeting, together with opinions expressed by representatives from the Athletic Association, should produce concrete recommendations for a change.

A number of reports will be presented at this meeting, including one by Buck F. Brown '55, Chairman of the Public Relations Committee, on Commons meals. This report will present results of the recent polls on commons meals; and will present suggestions for improvement.

A complete report by the Student Union Committee, including student recommendations as determined by a recent poll and complete proposed plans for the construction of a Student Union Building, will be presented by David B. Brooks '55.

Action will also be taken on a motion that a committee be formed to determine the design of the school tie, and a motion that financial appropriations for athletics be given to the

(Continued on page 2)

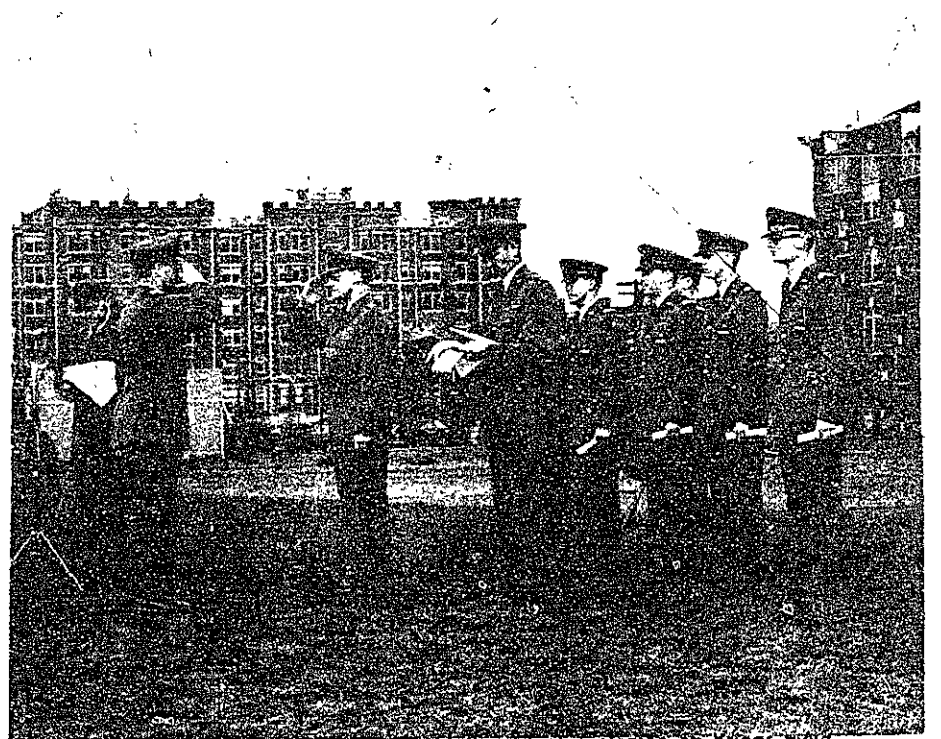
M. I. T. Orchestra Finishes Its Season At Sunday Concert

Completing a very successful season, the M.I.T. Symphony Orchestra presented their final concert Sunday afternoon in conjunction with the Wellesley College Orchestra. The joint orchestra was conducted by Klaus Liepmann, director of the M.I.T. Symphony Orchestra, and by Margaret T. Duesenberry, director of the Wellesley College Orchestra.

The program consisted of "Beethoven's Symphony No. 8" in F major, "Opus 3," Bach's "Violin Concerto in E major," with Alice Dutcher as soloist, "Six Short Pieces" by Bela Bartok, Mozart's "Andante in C for Flute and Orchestra" (K.315), with Suzanne Heckman as soloist, and "The Great Gate of Kiev" by Moussorgsky. The concert was received by an enthusiastic audience.



President and members of the "Anti-Sex League," at the Burton House "1904" party last Saturday night.



Air Force cadets receiving awards from Col. Coleman on Briggs Field.

The Tech

VOL. LXXIV

Tuesday, May 4, 1954

No. 20

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Student Politics

by David Brooks '55

The high cost for the use of Morss Hall in Walker Memorial, amounting to \$110 has been a deterrent to any group considering using it for a dance. Dean Jacoby '54 mentioned the problem in his President's Report for the past year, and the present Executive Committee followed it up. They first went directly to the administration; Mr. Kispert's suggestion was to have Inscomm request an appropriation from the Undergraduate Budget Board in order to be able to subsidize organizations wishing to use Morss Hall. Because of the complications of this accounting solution and the lack of any definite commitment as to where the money would come from, this was formally rejected by Inscomm.

Instead Inscomm set up a committee to investigate if the cost itself could be reduced. The committee consisting of Jack Saloma '56, Chairman, Jim Abramson '55, Walker Staff Captain, and Oliver Johns '56 met with Mr. Bridges and Mr. Rochidau and have arranged to try the following plan. Instead of the present 15 men plus a captain at a dance costing \$110, used for serving, clearing the floor and cleaning, only 10 men plus a captain costing \$70 will be used with the organization using the hall supplying the remaining 5. This plan will be in effect for a year and if it works well may be extended.

Furthermore the committee recommendation includes a provision that now Inscomm does request sufficient money from the UBB to reduce the actual cost to an organization to \$85.

Another of Dean Jacoby's suggestions was that an Institute calendar be printed and distributed to undergraduates free of charge. Such a calendar would have important events printed in the squares with the date along with possibly other things such as sports, holidays, etc., and of course room to pencil in your own notes. The question of whether this will be done or not is largely a matter of cost. Ella Paton '55 who has been investigating the cost of printing in several colors has received estimates ranging from \$100 to \$2000.

Shortly before it was out of office

the old Inscomm passed a motion stating that senior ring contracts must contain a provision limiting the sale of similar rings to undergraduates at MIT. The motion was principally aimed at the Graduate School which uses a ring similar in design, but with the diploma initials substituting for the year. However, it turns out that previously the Graduate Student Council had signed a 3 year contract for such rings, making Inscomm's motion illegal. While this is the case considerable weight is on their side as only a few per cent as many rings are sold to grad students as undergrads. At a joint meeting of the two executive committees recently the graduate council members advanced the argument that as distinctive a ring as MIT's should be a school ring. Perhaps though the whole problem is after all academic.

Budget requests from activities are in almost all cases going up... Denny Shapiro '55 is following up Dr. Kil-

Inscomm

(Continued from page 1)

Athletic Association in a lump sum at the beginning of the fiscal year.

For the benefit of students who are interested in these and the other topics which will be discussed at the meeting, a condensed tape-recording will be broadcast over WMIT at 7:15 p.m. on Thursday.

lian's suggestion at the Leadership Conference that MIT investigate the possibility of acquiring a closed circuit TV system... The executive committees of the Graduate Student Council and Inscomm will meet together once a month in an attempt to improve communications... Among the motions to be discussed at tomorrow's Inscomm meeting are several on athletics, one of which suggests to the Athletic Association that it drop Field Day football and if possible find a substitute.

Calendar of Events

the MASSACHUSETTS INSTITUTE OF TECHNOLOGY
 from May 5 through May 12, 1954

WEDNESDAY, MAY 5

Food Technology Department. Food Industry Seminar: "Food Product Development." Mr. James Hale, The Borden Company, Syracuse, New York. Room 16-310, 2:00 p.m.

Mathematics and Physics Departments. Operations Research Seminar: "Optimum X-Ray Radiation Dosage for Cancer Treatment." Mr. Arthur Schleifer, Harvard University. Room 6-219, 3:00-4:00 p.m.

Metallurgy Department. Lecture Series II: "Molecular Interactions in Solid Surfaces with Special Reference to Flotation, Fretting, Corrosion, Emulsions, Stabilized by Solid Particles." Dr. J. H. Schulman, Professor of Colloid Chemistry, Ernest Oppenheimer Laboratory, University of Cambridge, England. Room 35-225, 4:00 p.m.

Electrical Engineering Department. Seminar: "A New Look at Energy Conversion." Prof. Alexander Kusko and Prof. D. C. White. Room 6-120, 4:30 p.m.

Catholic Club. Lecture: "Work of the Church in the East." Fr. Francis Anderson, missionary in Iraq, Palestine, Egypt, and Tehran. Room 2-190, 5:00 p.m.

Chemistry Department. Harvard-M.I.T. Physical Chemistry Colloquium: "Kinetic Studies of the Catalysis by Fumarase." Prof. Robert A. Alberty, Chemistry Department, University of Wisconsin. Room 6-120, 8:00 p.m.

THURSDAY, MAY 6

Civil and Sanitary Engineering Department, Soil Engineering Division. Lecture: "Stability of Earth Slopes and Earth Dams." Prof. A. W. Skempton, Imperial College, London, England. Room 1-390, 4:00 p.m.

Lecture Series Committee. Film: "All My Sons." Room 10-250, 5:00, 7:30, and 9:30 p.m. Admission: 30 cents.

FRIDAY, MAY 7

Mechanical Engineering Department. Seminar: "The Effect of Specimen Size on Yielding." Prof. Donald R. Walker. Room 35-223, 4:00 p.m. Coffee will be served in the Gibbon Room (top floor of Building 35) from 3:30-4:00 p.m. PLEASE NOTE CHANGE IN ROOMS.

SUNDAY, MAY 9

TECH NIGHT AT THE POPS. Symphony Hall, Boston, 8:30 p.m. Tickets on sale in lobby of Building 10.

TUESDAY, MAY 11

Aeronautical Engineering Department. Seminar: "Development of a Small Refrigeration Turbine." Mr. George Mayne. Room 31-261, 4:00 p.m.

Christian Science Organization. Subject: "Follow Jesus' Example." Tyler Lounge, Walker Memorial, 5:15 p.m.

Staff Players of M.I.T. Supper and play reading: "Come Back Little Sheba." Faculty Club, 6:30 p.m.

WEDNESDAY, MAY 12

Food Technology Department. Food Industry Seminar: "Industrial and Occupational Hazards in Industry." Dr. Harriet L. Hardy. Room 16-310, 2:00 p.m.

Mathematics and Physics Departments. Operations Research Seminar: "Optimum Lot Size Under Uncertainty." Prof. William Taylor, Ohio State University. Room 6-219, 3:00-4:00 p.m.

Electrical Engineering Department. Seminar: "Electron Beams as Transmission Lines"—or, "A Novel Approach to Beam-Type Amplifiers." Prof. Hermann Haus. Room 6-120, 4:30 p.m.

School of Architecture and Planning. Films: "Pacific 231," "The Bridge," "Monarch Butterfly," and "Conspiracy in Kyoto." Room 7-427, 8:00 p.m.

Technology Christian Association. Lecture: "Science and the Human Spirit." Dr. Edmund W. Sinnott, Dean of the Graduate School and Director of the Sheffield Scientific School, Yale University. Hayden Memorial Library Lounge, 8:00 p.m.

OPEN HOUSE

M.I.T. will hold its 19th Open House on Saturday, May 8, from 12:00 noon to 7:00 p.m. Designed to present a picture of M.I.T. at work and at play, this year's Open House will include departmental exhibits, lectures and demonstrations, guided tours, a concert by M.I.T.'s Concert Band, and several athletic events.

EXHIBITIONS

The exhibition of textiles and ceramics being held in the New Gallery of the Charles Hayden Memorial Library will be extended until Sunday, May 9. Hours: Monday through Friday, 9:00 a.m.-5:00 p.m.; Saturdays and Sundays, 2:00-5:00 p.m.

"Men of Science," an exhibition of photographs of M.I.T. at work and play, is being shown in the Lobby of Building 7.

Pictorial Prints by Mr. O. E. Romig of Pittsburgh will be on exhibit in the Photo Service Gallery, Basement of Building 11, through May 10.

Starting on May 11, Photographic Salon prints by Mr. Art H. Oehl of Winnetka, Illinois, will be shown in the Photo Service Gallery.

CALENDAR OF EVENTS

The Calendar of Events appears in THE TECH on Tuesday with announcements for the following eight days (Wednesday through Wednesday). Notices, typewritten and signed, must be in the office of the editor Room 7-204, not later than noon on Thursday prior to the date of publication. Material for the Calendar of May 12-19 is due May 6.

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Tech Wins Quad, Besting Harvard, In Varsity Sailing

On Saturday afternoon, the Beaver sailing team won the MIT Quad, an invitational regatta in which four colleges sail both the dinghies and the 110 class sloops. Outstanding for the victorious Engineers was Fred Brooks '55, who finished one point behind Fred Hoppin of Harvard in the indi-

vidual totals, and Ted Garcia '54, who sailed the 110 to two firsts and two seconds to lead that division with 28 points to 22 each for the Harvard and Coast Guard skippers, Phil Tierney and Ralph Slater. Others who sailed for Tech were John Rieman '54, the second Tech dinghy skipper, Charles Robertson '55, Alain deBerc '55 and Nick Newman '56. Brooks also copped two firsts for the MIT aggregation and, with consistently fine sailing by Garcia, the Beavers finished with an eleven point lead over second place Harvard.

Light Crew Wins; Heavies Beaten In Compton Cup

A week of practice seems to have done wonders for the MIT crews as, in a definite improvement over last Saturday's performance, all six of them turned in good jobs in this week's competition.

Lights Best Crimson

Best of these jobs was the one done by the Engineer Lightweight Varsity. Rowing on an exceedingly choppy Charles River they turned the tables on Harvard, besting them by the barest of margins and avenging a deck-length defeat suffered at the Cantab's hands last week. Dartmouth trailed both Cambridge crews by three lengths. The Beavers took the lead at the beginning of the mile and five-sixteenths race and, stroking a steady 34, kept it at approximately one length up to the final quarter mile. Here Harvard put on their sprint, pulled their stroke up to 36 and slowly gained on pace-setters. They just didn't make it and finished with a time of 6:51.0. The victors finished in 6:49.6.

Other Shells Improve

In the other two lightweight events Tech shells bettered their previous performances but did not have enough to win, or even come in second. The Jay Vee's rowed surprisingly strongly and extended both Dartmouth and Harvard before finishing third. This race was won by the Crimson in 6:55. Dartmouth, which led most of the way but succumbed before Harvard's spectacular sprint finish was a length and a half behind. Then came Tech, Yale and Tabor Academy in that order. The Frosh race was much the same as the Jay Vee's. Dartmouth took an early lead but Harvard won with a fabulous finish. This time, however, Yale was third with Tech fourth and Tabor last. The winning time was 6:58.

At Princeton the Tech heavyweights competed against Harvard, Princeton and Rutgers crews and didn't come off badly at all.

Crimson Breaks Record

In the Varsity Compton Cup event the Crimson shell showed even better form than they did on the Charles last week and broke the course-event record with a winning time of 8:49.5.

beaver barks

Sport Scene Looms Brighter As Diamondmen, Crew Win

by Jack Friedman '57

I guess you might say this story was about arms—and it is. It's really about three things: a baseball team, a crew and something that you might as well call fate. You might prefer to call it something else, but you can't deny its existence or its influence over recent Tech sports.

Hauser Fans 17

It took seven games for the Engineer baseballers to win their first game. It seemed as if they were to win their first Tuesday against Brandeis, but the rain washed away the Beaver hopes. Saturday morning, they came from behind to knot the score and send the first game of a double-header against Northeastern into extra innings. This sent the Techmen down to a 5-4 loss.

Then, in the second game, the powerful right arm of Al Hauser '55 was mowing down hitter after hitter, but when Huskie shortstop DeWolfe came from nowhere to field Bob Lait '54's hot grounder and throw the Beaver captain out, it seemed as if another arm, this time the proverbially long one of fate, was snatching another victory out of the Engineers' hands. But Hauser kept on his strike-out path. He fanned seventeen altogether, and the Beavers tallied in the eleventh to net their first win.

Lights Rated High

The varsity lightweight crew is rated as one of the nation's best, and, last week, they would have proved it if fate hadn't pushed its arm in. Going under the bridge the Engineer lights had a fair lead, and then they caught crabs. Harvard surged ahead and handed the lights their loss. This week, however, the long arm of you know what was conspicuous by its absence and the strong arms of the Tech oarsmen beat out a smooth and steady stroke to win over the same Harvard crew and a spirited Dartmouth aggregation.

Sports Slants:

... Al Hauser did what was previ-

The Tiger was a length and a half astern and Tech four lengths behind them. The Beaver's time of 9:13.9 was an improvement over its previous clocking.

The Cantabs also dominated the Jay Vee division but MIT came in second ... a strong second. Stroking 35 they cut down a long Crimson lead at the end but still lost by a length.

ously impossible in his sensational eleven inning pitching win over Northeastern. Angie Toyias of the Huskies was leading the GBL in batting with an over .800 average. He came to bat five times against Hauser, and five times Al sent him down swinging.

... The Engineer baseballers have broken out of their hitting slump. The Northeastern pitching staff was the victim. Tech racked up hits, twenty of them in the two games.

... The crews seem to be on the upgrade. The heavies took two seconds and a third. The lights came up with a varsity win and greatly improved performances by the frosh and Jay Vees.

... The "Q" Club named Bob Solenberger as frosh athlete of the year. He's one of the track team's brightest prospects in the middle distances.

... The track team looks weak in the sprints. Syd Klein '55 pulled a muscle. It should hurt the team as well as Syd. He is the team's top sprinter. We hope he'll be in shape for next week.

... The sailors took the measure of Harvard this week, but the lacrosse-men ... the less said the better.

... It looks as if that dark cloud we saw hanging over Tech sports last week has started to blow away. Now if fate would just ... you never can tell what might happen ... Anyway, we'll be watching.

Harvard won in 9:01.4; Tech finished in 9:05.7.

In the Frosh race Harvard didn't compete and Princeton beat MIT by five lengths and Rutgers by seven rowing the course in 9:10.5.

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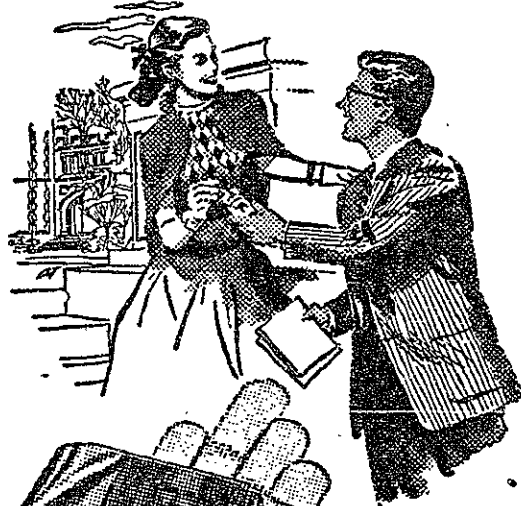
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Tech Splits Double-Header; Hauser Whiffs Seventeen

MIT and Northeastern University played some of the finest baseball seen in collegiate circles to date as they traded almost identical eleven inning 5-4 wins in an unusual home and home doubleheader Saturday.

The morning game saw Northeastern's Frank McCabe follow a surprise bunt single by Angie Toyias with a bases-loaded hit to ice the game in the eleventh. Up till then the game, which was played at the Huskies' diamond in Brookline, featured a pitching duel between Tech soph Dick Skavdahl and NU's Don Eason. Eason registered ten strikeouts.

Last Ditch Rally

Going into the ninth inning Northeastern seemingly had the game sewed

up; when, however, Tech scored two runs on four singles and a fielder's choice to tie the game at 4-4. Northeastern came back to score off Tech reliever Giff Weber '55 and win the game in the eleventh. They registered thirteen hits during the game as compared to the Engineers' seven. Star hitter of the morning? League-leader

Toyias with three doubles and a single in five at-bats.

The afternoon game saw Roy Merritt's charges turn the tables and defeat Northeastern in an almost exact replica of the morning contest. Behind tremendous hurling by Al Hauser the Tech batsmen woke up and drummed out thirteen hits, five runs, and a victory.

Eight Scoreless Innings

NU opened an early four run lead, scoring three runs in the second and one in the third before Tech could generate any power. Hauser then settled down to throw eight consecutive scoreless innings at the Huskies while his teammates proceeded to knot the score. In the bottom of the sixth, trailing 4-1, MIT's offense awoke. Fehnel and Peterson singled; Valerio reached base on an error; Hauser doubled, and Rush singled; all of which meant three runs for Tech and a tie ball game.

Tech almost ended the game in the ninth but was thwarted when, with

two men on and two out, NU short-stop DeWolff made a fantastic stop of Bob Lait '54's hard-hit shot through the middle and forced the third out at second. Ironically, it was DeWolff who committed the game-costing error in the eleventh. With Rush on third he bobbled Goldner's smash to allow the winning run to score.

Whiffs Toyias 5 Times

By far the day's finest performance was the expert twirling of Al Hauser.

In going the distance for Tech he struck out the amazing total of 17 batters while giving up only seven hits. More spectacular than this is the fact that he whiffed Toyias five out of the six times he faced him... hitting him the other.

Perhaps the most interesting point to note is that five of the Beavers' twenty-one hits Saturday were for extra bases. Is the long-ball famine over?

Golf Team Victor, Toppling Babson To Sweep Series

Captain Corky Goodman '54 and Walter Stahl '56 led the Tech golfers to a 17½-9½ victory over Babson Institute. This gave Tech a clean sweep of the two match series with Babson.

Goodman and Stahl shot a '76 and '77 respectively as they garnered 8½ out of 9 points in their foursome. With this headstart, excellent shooting by Bob Freeman '56 and Bob Jantzen '56 clinched the match for the beavers. Both Freeman and Jantzen contributed 3-0 victories to boost the Tech total.

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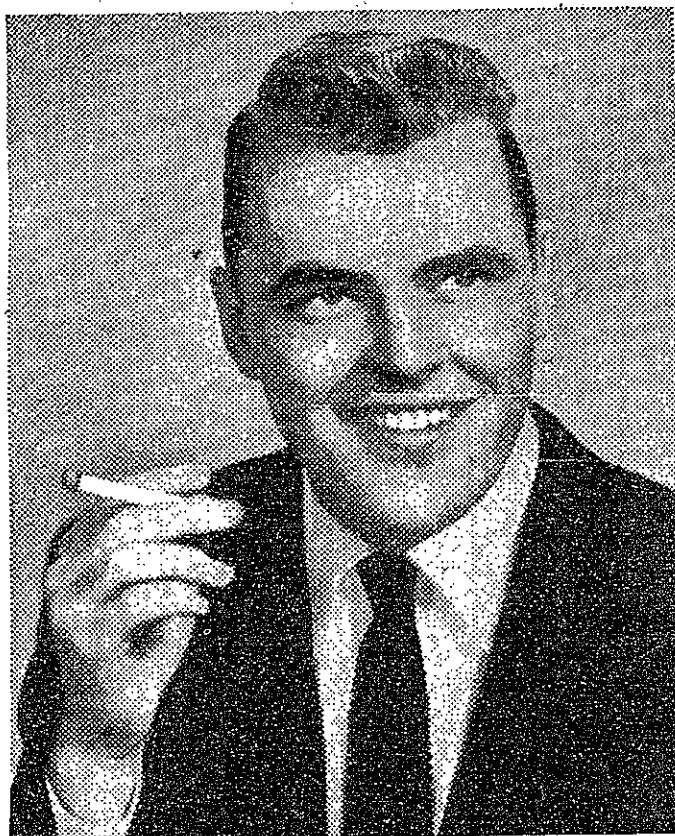
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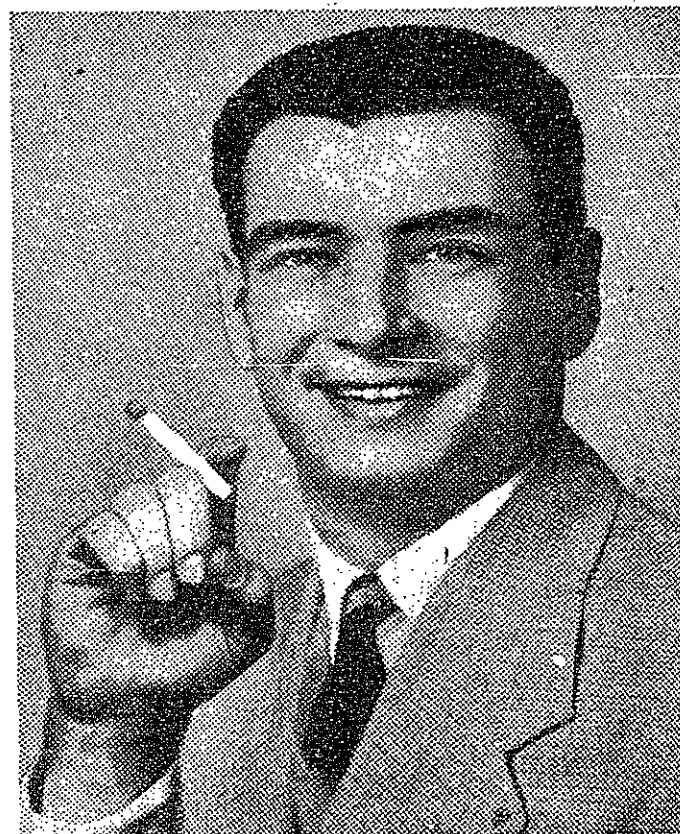
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